

AMENDMENTS TO THE CLAIMS

Claims 1-11. (Cancelled)

12. (New) A nucleic acid purification apparatus comprising:

a nucleic acid capturing instrument incorporating a solid phase capable of capturing a nucleic acid, and comprising a suction port capable of sucking and discharging an extraction of nucleic acid, and another port capable of providing a washing solution, wherein the washing solution is discharged from the suction port; and

a nozzle capable of feeding the washing solution into the nucleic acid capturing instrument.

13. (New) A nucleic acid purification apparatus according to claim 12, further comprising a pump for pressurization of the washing solution that is controlled by a mechanical control unit.

14. (New) A nucleic acid purification apparatus according to claim 12, wherein an eluent is sucked or discharged through the suction port after feeding the washing solution, and the nucleic acid capturing instrument and the nozzle are mutually connected from the beginning of sucking of the nucleic acid containing solution to the end of discharging of the eluent.

15. (New) A nucleic acid purification apparatus according to claim 12, wherein the nozzle sends air into the nucleic acid capturing instrument after feeding the washing solution.

16. (New) A nucleic acid purification apparatus according to claim 15, wherein the nucleic acid capturing instrument is provided with an eluent after sending the air.

17. (New) A nucleic acid purification apparatus according to claim 12, wherein the solid phase comprises a glass.

18. (New) A nucleic acid capturing instrument incorporating a solid phase capable of capturing a nucleic acid, and comprising a suction port capable of sucking and discharging an extraction of nucleic acid, and another port capable of providing a washing solution, wherein the washing solution is discharged through the suction port.

19. (New) A nucleic acid capturing instrument according to claim 18, wherein the another port is capable of being connected to a nozzle which feeds the washing solution therein.

20. (New) A nucleic acid capturing instrument according to claim 19, wherein the nozzle is connected to a pump for pressurization of the washing solution that is controlled by a mechanical control unit.

21. (New) A nucleic acid capturing instrument according to claim 19, wherein an eluent is sucked or discharged through the suction port after feeding the washing solution, and wherein the nucleic acid capturing instrument and the nozzle are mutually connected from the beginning of sucking of the nucleic acid containing solution to the end of discharging of the eluent.

22. (New) A nucleic acid capturing instrument according to claim 19, wherein the nucleic acid capturing instrument is provided with air through the another port, so that liquid remaining therein is discharged through the suction port.

23. (New) A nucleic acid capturing instrument according to claim 22, wherein the eluent is sucked and discharged through the suction port after providing the air.

24. (New) A nucleic acid capturing instrument according to claim 18, wherein the solid phase comprises a glass.

25. (New) A nucleic acid purification method comprising:

providing a nucleic acid capturing instrument incorporating a solid phase capable of capturing a nucleic acid, and comprising a suction port and another port;

sucking and discharging an extraction of nucleic acid through the suction port, so that the extraction contacts the solid phase; and

feeding a washing solution through the another port, so that the washing solution contacts the solid phase, and is discharged through the suction port.

26. (New) A nucleic acid purification method according to claim 25, wherein the washing solution is pressurized by a pump controlled by a mechanical control unit, so that the washing solution is fed into the nucleic acid capturing instrument.

27. (New) A nucleic acid purification method according to claim 25, further comprising:

sucking and discharging an eluent through the suction port, so that the eluent contacts the solid phase.

28. (New) A nucleic acid purification method according to claim 27, further comprising:

connecting the nucleic acid capturing instrument to a nozzle capable of providing the washing solution into the nucleic acid capturing instrument, wherein the nucleic acid capturing instrument and the nozzle are mutually connected from the

beginning of sucking of the nucleic acid containing solution to the end of discharging of the eluent.

29. (New) A nucleic acid purification method according to claim 25, further comprising:

sending the air through the another port, so that liquid remaining into the nucleic acid capturing instrument is discharged through the suction port.

30. (New) A nucleic acid purification method according to claim 29, further comprising:

providing an eluent through the suction port after sending the air, so that the eluent contacts the solid phase.

31. (New) A nucleic acid purification method according to claim 25, wherein the solid phase comprises a glass.